



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEPRIORITY, DOCKET NO.
2710-4007US2SERIAL NO.
09/549,937

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT
M.B. CHANCELLOR et al.FILING DATE
April 14, 2000GROUP ART UNIT
T646 1631

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BW	1	5,053,050	10/1/91	Itay	623	16	
	2	5,130,141	7/14/92	Law et al.	424	548	
	3	5,336,263	8/9/94	Ersek et al.	623	11	
	4	5,538,722	7/23/96	Blau et al.	424	93.21	
	5	5,858,351	1/12/99	Podsakoff Podskoff et al.	424	93.2	
	6	5,516,532	5/14/96	Atala et al.	424	548	
	7	5,667,778	9/16/97	Atala	424	93.7	
DW	8	5,833,978	10/10/98	Tremblay	424	093.7	

FOREIGN PATENT DOCUMENTS

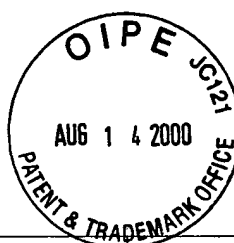
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BW	9	WO 91/07992	6/13/91	PCT WIPO	A61K37	02		
	10	WO 94/07999	4/14/94	PCT	C12N11	10		
	11	WO 94/21299	9/29/94	PCT	A61K47	38		
DW	12	WO 98/36055	20/8/98	PCT WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

EXAMINER 	DATE CONSIDERED 4/1/02
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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT M.B. CHANCELLOR et al.				
				FILING DATE April 14, 2000		GROUP ART UNIT 1640 1635		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
BW	13	5,594,032	11/14/97 14/1/97	Gonzalez-Cadavid et al	514	645		
	14	4,965,353	10/23/90 23/10/90	Della Valle et al.	536	55.1		
	15	4,424,208	1/3/84 3/1/84	Wallace et al	424	177		
	16	5,858,390	1/12/99 12/1/99	W.K. Boss, Jr.	424	426		
BW	17	5,876,447	2/2/99 2/3/99	G.W. Arnett	623	11		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
BW	18	WO 96/18303	20/6/86	PCT WIPO				
PL	19	WO 99/47163	23/9/99	PCT WIPO				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)								
BW	20	TA Rando et al., 1994, "Primary mouse myoblast purification, characterization, and transplantation for cell-mediated gene therapy", Journal of Cell Biology, 125:1275-1287.						
	21	Z. Qu et al., 1998, "Development of approaches to improve cell survival in myoblast transfer therapy", Journal of Cell Biology, 142:1257-1267.						
	22	J. Huard et al., 1992, "Human myoblast transplantation: preliminary results of 4 cases", Muscle and Nerve, 15:550-560.						
BW	23	CS Day et al., 1997, "Myoblast-mediated gene transfer to the joint", Journal of Orthopedic Research, 15:894-903.						
EXAMINER 				DATE CONSIDERED 4/8/02				
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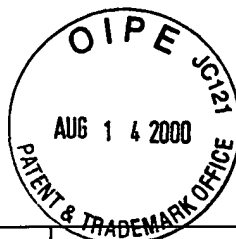


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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
BW	24	WO 98/44142	8/10/98 10/8/98 8/10/98	PCT-WIPO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)							
	25	G. Bandara et al., 1993, <u>Inarticular expression of biologically active interleukin 1-receptor-antagonist protein by ex vivo gene transfer</u> , Proc. Natl. Acad. Sci. USA, 90:10764-10768.					
BW	26	G. Acsadi et al., 1994, "A differential efficiency of adenovirus-mediated in vivo gene transfer into skeletal muscle cells of different maturity", Human Molecular Genetics, 3:579-584.					
	27	C. Kasemkijwattana et al., 1998, "Development of approaches to improve the healing following muscle contusion", Cell Transplantation, 7:585-598.					
	28	KP Spindler et al., 1995, "Regional mitotic response of the meniscus to platelet-derived growth factor (PDGF-AB)", Journal of Orthopedic Research, 13:201-207.					
	29	E. Gussoni et al., 1992, "Normal dystrophin transcripts detected in Duchenne muscular dystrophy patients after myoblast transplantation", Nature, 356:435-438.					
	30	G. Karpati et al., 1993, "Myoblast transfer in Duchenne Muscular Dystrophy", Annals of Neurology, 34:8-17.					
BW	31	J.P. Tremblay et al., 1993, "Results of a triple blind clinical study of myoblast transplantations without immunosuppressive treatment in young boys with Duchenne muscular dystrophy", Cell Transplantation, 2:99-112.					
EXAMINER Bm & Htm				DATE CONSIDERED 4/18/02			

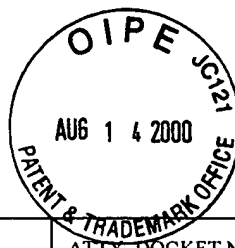
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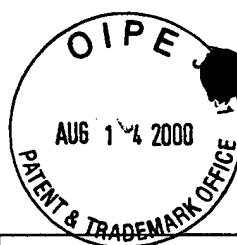
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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT M.B. CHANCELLOR et al.			
				FILING DATE April 14, 2000		GROUP ART UNIT 1645-1671	
U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DW	32	WO 98/54301	3/12/98	PCT-WIPO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)							
DW	33	J. Huard et al., 1994, "High efficiency of muscle regeneration after human myoblast clone transplantation in SCID mice", Journal of Clinical Investigation, 93:586-599.					
	34	J. Huard et al., 1994, "Human myoblast transplantation in immunodeficient and immunosuppressed mice: evidence of rejection", Muscle and Nerve 17:224-234.					
	35	J. Huard et al., 1995, "The route of administration is a major determinant of the transduction efficiency of rat tissues by adenoviral recombinants", Gene Therapy, 2:107-115.					
	36	M. Reza Dana et al., "Interleukin-1 Receptor Antagonist Suppresses Langerhans Cell Activity and Promotes Ocular Immune Privilege", Investigative Ophthalmology & Visual Science, 1998, 39:70-77.					
DW	37	G. Ferrari et al., "Muscle Regeneration by Bone Marrow-Derived Myogenic Progenitors", Science, 1998, 279:1528-1530.					
EXAMINER B2 MB				DATE CONSIDERED 4/18/02			
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)								
BW		38	E. Barr and J. Leiden, "Systemic Delivery of Recombinant Proteins by Genetically Modified Myoblasts", <u>Science</u> , 1991, 254:1507-1509.					
		39	T. Katagiri et al., "Bone Morphogenetic Protein-2 Converts the Differentiation Pathway of C2C12 Myoblasts into the Osteoblast Lineage", <u>J. Cell Biology</u> , 1994, 127:1755-1766.					
		40	T.A. Rando and H. Blau, "Primary Mouse Myoblast Purification, Characterization, and Transplantation for Cell-mediated Gene Therapy", <u>J. Cell Biology</u> , 1994, 125:1275-1287.					
		41	T. Yokoyama et al., "Gene Therapy as a Potential Treatment for BPH; Injection of Myoblast-Adenovirus Transfected with Human Inducible Nitric Oxide Synthase (iNOS) into the Proximal Urethra", <u>J. Urology</u> , 1999, 161 (4) Supplement:305 (Abstract 1175).					
		42	J. Huard et al., "Myoblast Injection into the Bladder Wall: A Possible Method of Modulating Detrusor Contractility and Cell-Mediated Gene Therapy for Bladder Dysfunction", <u>J. Urology</u> , 1998, 159 (5) Supplement:16 (Abstract 62).					
PL		43	J. Huard et al., "Nitric Oxide Synthase (NOS) Gene Therapy for Erectile Dysfunction; Comparison Between Plasmid, Adenovirus and Adenovirus Transduced Myoblast Vectors", <u>J. Urology</u> , 1998, 159:90 (Abstract 342).					
EXAMINER <i>B. Noall</i>				DATE CONSIDERED <i>4/18/02</i>				
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)								
BW		44	K.A. Jackson et al., 1999, "Hematopoietic potential of stem cells isolated from murine skeletal muscle", PNAS, Vol. 96, 25:14482-14486.					
		45	E. Gussoni et al., 1999, "Dystrophin expression in the <i>mdx</i> mouse restored by stem cell transplantation", Nature, 401:390-394.					
		46	Z. Qu et al., 1998, "Development of Approaches to Improve Cell Survival in Myoblast Transfer Therapy", The Journal of Cell Biology, Vol. 142, 5:1257-1267.					
		47	D.S. Musgrave et al., 1998, "Muscle-based tissue engineering for the musculoskeletal system", Gene Therapy & Molecular Biology, Vol. 3:1-15.					
		48	N. Yoshida et al., 1998, "Cell heterogeneity upon myogenic differentiation: down-regulation of MyoD and Myf-5 generates 'reserve cells'", Journal of Cell Science, 111:769-779.					
B2		49	J.R. Beauchamp et al., 1999, "Dynamics of Myoblast Transplantation Reveal a Discrete Minority of Precursors with Stem Cell-like Properties as the Myogenic Source", The Journal of Cell Biology, Vol. 144, 6:1113-1121.					
EXAMINER Baillie				DATE CONSIDERED 5/1/02				
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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BW	50	P. Seale et al., 2000, "A New Look at the Origin, Function, and 'Stem Cell' Status of Muscle Satellite Cells", Developmental Biology, 218: 115-124.				
	51	J.G. Gross et al., 1999, "Muscle Precursor Cells Injected Into Irradiated mdx Mouse Muscle persist After Serial Injury", Muscle & Nerve, 22:174-185.				
	52	T.D. Alden et al., 1999, "In Vivo Endochondral Bone Formation Using a Bone Morphogenetic Protein 2 Adenoviral Vector", Human Gene Therapy, 10:2245-2253.				
	53	A. Baroffio et al., 1996, "Identification of self-renewing myoblasts in the progeny of single human muscle satellite cells", Differentiation, 60:47-57.				
	54	Abstract: V. Nurcombe et al., 1985, "Motoneuron Survival and Neuritic Outgrowth Promoted by Different Cell Types in Embryonic Muscle", Developmental Brain Research, 21:49-60. Abstract only				
BW	55	C. Richler et al., 1970, "The in Vitro Cultivation and Differentiation Capacities of Myogenic Cell Lines", Developmental Biology, 23:1-22.				
EXAMINER Brian A. Hester			DATE CONSIDERED 5/18/02			
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